



## CTM Explosion-proof GPRS Antenna 2W

### Protection mode:

Type of protection: II2G Ex d IIB T5  
Classe of temperature: T5  
Ambient Temperature: -40° à +85°C  
Zone : 1

### Description:

The CTM-Series of antennas are designed for use in “Hazardous-Classified” and Industrial-Hardened applications. The antennas are omni-directional with 2.0 dBi gain and designed for flexible mounting with an **M20 thread\***. The mounting base is made of heavy nickel-plated brass with an integrated TNC coaxial connector for ease of installation. The radome is optimized for rugged industrial applications while maintaining maximum radio frequency transmission and reception efficiency.

*\*1/2” NPT thread on request*



### Technical data:

- Dual band AMPS 824 ~ 896 MHz & PCS (GPRS) 1850 ~1990 MHz
- UL listed & ATEX certified
- Internal seal fitting
- Custom frequencies available
- TNC connector
- Mounting: 20mm (M20) thread
- Rugged Nickel Plated Brass mounting base

### Applications for:

- Hazardous tank level monitoring
- Offshore platforms
- Chemical processing
- Power plants
- Utility systems where explosive gases may be present
- PCS, AMPS, GPRS
- Hazardous area computers

### Typical installation



Class 1, Div 1,  
Zone1  
Groups, C & D





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### Specifications

Impedance: 50  $\Omega$

Gain: 2.0 dBi

Maximum power: 2 Watts

Connector type: TNC female

Mounting base: 20mm (M20)

7 joule impact rating

Weight: 1.06 lbs., 0.48 kg

Maximum length including TNC connector: 5.85", 148.6mm

### Ordering Information

Part Number	Frequency
CTM-800-TF	Dual band 824-896 MHz & 1850-1990 MHz
CTM-801-TF	Dual band 801-940 MHz & 1901-2000 MHz

*\*Utilization of frequencies ranges according to legislation of country where it be used.*



### CTM-SERIES

← **RUGGED INDUSTRIAL RADOME**

← **INTEGRAL FLAMEPROOF SEAL**

← **M20 THREAD**

← **TNC CONNECTOR**